

US-PAT-NO: 5832448

DOCUMENT-IDENTIFIER: US 5832448 A

TITLE: Multiple patient monitoring system for proactive health management

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY			
Brown; Stephen J.	Mountain View	CA	N/A
N/A			

US-CL-CURRENT: 705/2; 705/1

ABSTRACT:

A system and method for monitoring a group of patients having a chronic disease or ongoing health condition. The method includes the step of collecting from each patient a corresponding set of measurements of a control parameter of the health condition. Each set of measurements has a collection date. A control value is calculated for each patient from the corresponding set of measurements. The method further includes the steps of generating and displaying a group overview chart having one data point for each patient. Each data point indicates the control value calculated for the corresponding patient and a time period which has elapsed since the collection date of the patient's corresponding set of measurements. In a preferred embodiment, the method includes the additional steps of selecting from the group overview chart at least one of the patients represented thereon and transmitting supervisory instructions to the at least one selected patient.

33 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

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Detailed Description Text - DETX:

Further, the electronic mail messages and automated telephone message

illustrated are exemplary of just one possible embodiment of the invention.

Many other messages may be generated and transmitted to patients in alternative

embodiments. Additionally, the preferred embodiment describes a system and

method for monitoring patients having diabetes. However, the invention is not

limited to monitoring diabetic patients. The system and method described are

equally effective for monitoring patients having asthma, hypertension,

cardiovascular disease, eating disorders, HIV, mental health disorders, or any

other health condition having a measurable control parameter.

Current US Original Classification - CCOR:

705/2

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step of taking an elec

US-PAT-NO: 6246992

DOCUMENT-IDENTIFIER: US 6246992 B1

TITLE: Multiple patient monitoring system for proactive health management

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY			
Brown; Stephen J.	San Mateo	CA	N/A
N/A			

US-CL-CURRENT: 705/2; 705/3

ABSTRACT:

A system and method for monitoring a group of patients having a chronic disease or ongoing health condition. The method includes the step of collecting from each patient a corresponding set of measurements of a control parameter of the health condition. Each set of measurements has a collection date. A control value is calculated for each patient from the corresponding set of measurements. The method further includes the steps of generating and displaying a group overview chart having one data point for each patient. Each data point indicates the control value calculated for the corresponding patient and a time period which has elapsed since the collection date of the patient's corresponding set of measurements. The method includes the additional steps of selecting from the group overview chart at least one of the patients represented thereon and transmitting supervisory instructions to the at least one selected patient.

12 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

----- KWIC -----

Detailed Description Text - DETX:

Further, the electronic mail messages and automated telephone message

illustrated are exemplary of just one possible embodiment of the invention.

Many other messages may be generated and transmitted to patients in alternative

embodiments. Additionally, the preferred embodiment describes a system and

method for monitoring patients having diabetes. However, the invention is not

limited to monitoring diabetic patients. The system and method described are

equally effective for monitoring patients having asthma, hypertension,

cardiovascular disease, eating disorders, HIV, mental health disorders, or any

other health condition having a measurable control parameter.

Current US Original Classification - CCOR:

705/2

Current US Cross Reference Classification - CCXR:

705/3

US-PAT-NO: 6302844

DOCUMENT-IDENTIFIER: US 6302844 B1

TITLE: Patient care delivery system

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY			
Walker; Jay S. N/A	Ridgefield	CT	N/A
Mik; Magdalena N/A	Greenwich	CT	N/A
Krantz; Jason N/A	Madison	WI	N/A
Jorasch; James A. N/A	Stamford	CT	N/A

US-CL-CURRENT: 600/300; 128/904 ; 705/3

ABSTRACT:

A method and apparatus for analyzing data from remote monitoring equipment, such as patient telemetry devices, and determining (i) whether an anomalous event has occurred, (ii) if an anomalous event has occurred, whether a physician should be contacted, and (iii) if a physician should be contacted, selecting the physician to contact. Further, the system operates in parallel, in that a plurality of experts (e.g., physicians) may be contacted in response to a single or multiple anomalous events, thus ensuring an efficient response to an anomalous event.

36 Claims, 14 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

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Brief Summary Text - BSTX:

It is well known to use ECG monitors in conjunction with software to analyze patterns in patients' heartbeats. Typically, monitoring technicians (or monitors) are alerted to the possibility that something is amiss by an alarm. Upon examining a readout of the vital sign in question, the monitor makes a decision about (i) whether the patient requires attention (ii) whether the patient requires a cardiologist's services and if so, (iii) which cardiologist to call. Typically, the technician selects the cardiologist from a list of available specialists. This list is substantially determined by availability, i.e., who is on call at the time. If a cardiologist is required, the technician must communicate to a cardiologist the patient's condition over voice or data lines. The technician may use the Hewlett-Packard ECGStat system described above to communicate with the cardiologist.

Current US Cross Reference Classification - CCXR:

705/3

PGPUB-DOCUMENT-NUMBER: 20010051787

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010051787 A1

TITLE: System and method of automated invoicing for communications between an implantable medical device and a remote computer system or health care provider

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
RULE-47			
Haller, Markus	Begnins		CH
Ferek-Petric, Bozidar	Zagreb		HR
Donders, Adrianus P.	Founex		CH

US-CL-CURRENT: 604/66,705/2

ABSTRACT:

Methods, devices and systems for automatically generating invoices when medical services are provided to a patient are described. Invoices are automatically generated by the system, for example, when monitoring of certain aspects of the performance of an implantable medical device (IMD) implanted within a body of a patient is initiated by the patient or remotely, or when the delivery of a therapy to the patient through the IMD is initiated locally or remotely. The IMD is capable of bi-directional communication with a communication module, a mobile telephone and/or a Personal Data Assistant (PDA) located outside the patient's body. The system invoicing system may comprise the IMD, the communication module and/or a mobile telephone and/or a PDA, means for generating an invoice, a remote computer system, and a communication system



capable of bi-directional communication, where the communication module, the mobile telephone and/or the PDA is capable of receiving information from the IMD or relaying information thereto.

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Current US Classification, US Secondary Class/Subclass -  
CCSR:

705/2

Summary of Invention Paragraph - BSTX:

[0008] One example of remote monitoring of implanted cardioverter defibrillators is U.S. Pat. No. 5,321,618 to Gessman, where a remote apparatus is adapted to receive commands from and transmit data to a central monitoring facility over telephone communication channels. The remote apparatus includes equipment for acquiring a patient's ECG and transmitting same to the central facility using telephone communications channels. The remote apparatus also includes a segment, responsive to a command received from the central monitoring facility, for enabling the emission of audio tone signals from the cardioverter defibrillator. The audio tones are detected and sent to the central monitoring facility via the telephone communication channel. The remote apparatus also includes patient alert devices, which are activated by commands received from the central monitoring facility over the telephone communication channel.

Summary of Invention Paragraph - BSTX:

[0016] In EP 0 987 047 A2 to Lang et al. entitled "Patient

Monitoring System"

having a priority date of Sep. 18, 1998, there is a description of sensing and acquiring physiological data with a pacemaker or defibrillator, and transmitting those data by mobile phone to an external system accessible by a cardiologist. The cardiologist may then evaluate the data and initiate emergency action such ordering an ambulance. The mobile phone may also be employed to determine the patient's geographical location, as well as to transmit a signal warning of a low state of charge in the pacemaker or defibrillator battery.

PGPUB-DOCUMENT-NUMBER: 20020019748

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020019748 A1

TITLE: Multiple patient monitoring system for proactive health management

PUBLICATION-DATE: February 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
RULE-47			
Brown, Stephen J.	Woodside	CA	US

US-CL-CURRENT: 705/2

ABSTRACT:

A system and method for monitoring a group of patients having a chronic disease or ongoing health condition. The method includes the step of collecting from each patient a corresponding set of measurements of a control parameter of the health condition. Each set of measurements has a collection date. A control value is calculated for each patient from the corresponding set of measurements. The method further includes the steps of generating and displaying a group overview chart having one data point for each patient. Each data point indicates the control value calculated for the corresponding patient and a time period which has elapsed since the collection date of the patient's corresponding set of measurements. In a preferred embodiment, the method includes the additional steps of selecting from the group overview chart at least one of the patients represented thereon and transmitting supervisory instructions to the at least one selected patient.

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Current US Classification, US Primary Class/Subclass - CCPR:

705/2

Detail Description Paragraph - DETX:

[0068] Further, the electronic mail messages and automated telephone message illustrated are exemplary of just one possible embodiment of the invention. Many other messages may be generated and transmitted to patients in alternative embodiments. Additionally, the preferred embodiment describes a system and method for monitoring patients having diabetes. However, the invention is not limited to monitoring diabetic patients. The system and method described are equally effective for monitoring patients having asthma, hypertension, cardiovascular disease, eating disorders, HIV, mental health disorders, or any other health condition having a measurable control parameter.